



CompTIA Cloud Essentials

Course CT-08 Three Days Instructor-led Hands-on

Introduction

You will weigh the pros and cons of cloud computing to make effective decisions and meet IT challenges. The CompTIA Cloud Essential Specialty certification is relevant to IT specialists, IT technical services specialists, IT relationship managers, IT architects, consultants, business and IT management, business process owners, and analysts.

At Course Completion

Upon successful completion of this course, students will gain the following skills and knowledge:

- Learn the fundamental concepts of cloud computing.
- Learn the business aspects and impact of cloud computing.
- Differentiate the types of cloud solutions and the adoption measures needed for each.
- Identify the technical challenges and the mitigation measures involved in cloud computing.
- Identify the steps to successfully adopt cloud services.
- Identify the basic concepts of ITIL and describe how the ITIL framework is useful in the implementation of cloud computing in an organization.
- Identify the possible risks involved in cloud computing and the risk mitigation measures, and you will also identify the potential cost considerations for the implementation of cloud and its strategic benefits.

Prerequisites

This course is the first step on a training path that can lead to a technical career dealing with cloud computing. CompTIA recommends that a candidate have at least six months of experience in an IT environment, with direct involvement in IT-related tasks, responsibilities and/or decision-making. It is also recommended that the candidate have experience with network design and management.

CompTIA Certified Professional Exams

This course is designed to help you prepare for the CompTIA Exam CLO-001. Attending this course and using this student guide will help you prepare for certification. You should also refer to the exam objectives to see how they map to the course content. The exam objectives are provided in Appendix A.

You can set up testing directly with Pearson VUE when you're ready and you can arrange to take your exams at ISInc, an authorized Pearson VUE testing center

Contact ISInc for more information at 916.920.1700 or by visiting our website at <http://www.isinc.com>



Student Materials

The student kit includes the following:

- Comprehensive workbook

Course Content

Module 1: Introduction to Cloud Computing

- Overview of Cloud Computing
- Evolution of the Cloud
- Specialized Cloud Services

Module 2: Business Value of Cloud Computing

- Business Need for Cloud Computing
- Cloud Scalability
- Cloud Security
- Impact of Cloud Computing on Business

Module 3: Technical Perspectives of Cloud Computing

- The Cloud Deployment Models
- Network Requirements for Cloud Deployment
- Automation and Self-Service in Cloud Computing
- Federated Cloud Services
- Standardization

Module 4: Technical Challenges of Cloud Computing

- Cloud Storage
- Application Performance
- Data Integration
- Security Risks and Mitigation
- Application Architecture and the Development Process

Module 5: Steps to Successful Adoption of Cloud Services

- Steps to Adopting Cloud Services
- Organizational Capability to Adopt Cloud Services
- Cloud Vendor Roles and Capabilities
- Migrating Applications to the Cloud

Module 6: ITIL and Cloud Computing

- Overview of ITIL
- Planning Service Strategy
- Designing Cloud Service
- Transitioning to Live Environment
- Running a Cloud Service Operation
- Continual Service Improvement with Cloud

Module 7: Identifying Risks and Consequences

- Organizational Risks

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- Technical Risks
- Legal Risks
- Cost Evaluation for Cloud Computing
- Identify Maintenance Aspects of Strategic Flexibility

Appendix A: Mapping Course Content to the CompTIA Cloud Essentials (Exam CLO- 001) Exam Objectives

Appendix B: CompTIA Cloud Essentials (Exam CLO-001) Acronyms